

# Memo

To: Trustee Gianopulos  
From: Robert Kosin  
CC: Board of Trustees, Village President  
Date: October 21, 2011  
Re: Video/Audio Broadcast - ROSCOR

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The research on broadcasting a video and audio feed from the meetings in the MacArthur Room revealed the following:

- Sound recording required a microphone for each of the speakers
- Video requires a controller of the signal to be broadcast either to a cable provider or a hosted service on the Internet
- Either component of the system needs to operate relatively automatically as there is limited staff for the meetings.

A company that has successfully installed a system with such parameters is ROSCOR and provided a quotation for their services.

The quotation is presented into three parts, audio, video and integration of the two components. The pricing of the components, industrial standards, from ROSCOR are less than as purchase directly from the accepted Village suppliers of such components.

Cabling and installation will follow prevailing wage requirements for the applicable classified positions.

The cost of management will be compared with other similar vendors, Johnson Controls and Data-Comm.

The Building and Grounds fund can support in the remaining quarter of this fiscal year the entire expense of the installation of the video and audio feed.

There will be an ongoing expense of producing and distributing the audio and/or video file.

## **ACTION**

Accept the proposal of ROSCOR in its entirety or install the system in components beginning with audio and operationally follow with video.

**QUOTATION**

Date: September 22, 2011

Page: 1 of 4

To

Skip Gianopulos  
Village of Barrington Hills  
112 Algonquin  
Barrington Hills IL 60010  
Phone: (847) 551-3000 Fax: (847) 551-3050

Quote: TB57-7544

Sales Rep: Tom Burns

Payment Terms: Standard Project Terms

Freight Terms: Fixed Fee

Valid For: 30 Days

Quotation Summary: Council Chamber TV Recording System and Web Distribution

Item	P/N	Description	Qty.	Unit Price	Ext. Price
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**Section 1: Video Components**

1.1	<b>Panasonic AW-HE50HN</b>	1	\$ 4,069.00	\$ 4,069.00
	Integrated HD/SD Pan-tilt Camera with HDMI output switchable HD/SD Component output, SD Composite Out. RS-422 Serial and IP Control			
1.2	<b>Panasonic AWCA20T6G</b>	1	\$ 236.00	\$ 236.00
	Breakout cable for Serial Control, and Component and composite output from HE50 series cameras			
1.3	<b>Vaddio 535-2000-213</b>	1	\$ 61.00	\$ 61.00
	Universal Wall/Ceiling - Dimensions: 9.5" x 8" (242mm x 203mm)			
1.4	<b>LG M3704CCBA</b>	2	\$ 777.00	\$ 1,554.00
	37 in class (37.0 in diagonal) 16:9, FHD TV monitor, 1920 x 1080p 10000:1 dynamic contrast ratio, 500 cd/m2 brightness, 178 ft viewing angle, temperature sensor, lamp fault sensor, split zoom (self video wall), hi-res component, HDMI, D-sub 15-pin, S-video, A/V, RS-232C, discrete IR codes, backlit logo, USB Playback. (opt. stand/speakers)			
1.5	<b>Innovox FS-V2-LG-M3704CCBA-BK</b>	1	\$ 696.00	\$ 696.00
	ultra slim vertical speaker pair designed to mate with flat panel video displays			
1.6	<b>Chief LSAU</b>	2	\$ 124.00	\$ 248.00
	LARGE, STATIC, NO-HEIGHT ADJUST			
1.7	<b>Crestron MP-WP130-B</b>	1	\$ 66.00	\$ 66.00
	Media Presentation Wall Plate			
1.8	<b>Comprehensive VGA15P-P-10HR/A</b>	1	\$ 26.00	\$ 26.00
	HR Pro Series VGA w/Audio HD15 pin Plug to Jack Cables 10ft			
1.9	<b>Comprehensive HDMI-HDMI-10HR</b>	1	\$ 17.00	\$ 17.00
	HR Pro Series HDMI High Speed Cable 10ft			

Item	P/N	Description	Qty.	Unit Price	Ext. Price
1.10	Extron 60-697-01	MDA 4V EQ	1	\$ 135.00	\$ 135.00
		Four Output Composite Video Distribution Amplifier with Gain and EQ			
1.11	Extron 60-604-02	RSB 129 GRAY	1	\$ 41.00	\$ 41.00
		1U 9.5 in Deep Basic Rack Shelf			
1.12	ViewSonic N1630W	LCD TV - 16", 16:9, 10000:1, 1366 x 768, 8 ms, 720p, ATSC, NTSC, HDMI	1	\$ 196.00	\$ 196.00

**Video Components Section Total: \$ 7,345.00**

### **Section 2: Audio Components**

2.1	BiAmp 911.0234.900	AudiaFLEX NC 240	1	\$ 2,317.00	\$ 2,317.00
		Audia FLEX Chassis, 2RU			
2.2	BiAmp 901.0176.900	IP-2	7	\$ 158.00	\$ 1,106.00
2.3	BiAmp 901.0206.900	OP-2c	3	\$ 97.00	\$ 291.00
2.4	BiAmp 909.0280.900	RED-1F	1	\$ 365.00	\$ 365.00
		Remote Ethernet Remote Control with high contrast OLED screen & 32 selectable system volumes and actions; flush-mounted			
2.5	Cisco DGS-1008PSRW2008MP	8-Port 10/100/1000 Gigabit Managed Network Switch with Maximum PoE	1	\$ 220.00	\$ 220.00
2.6	Bosch PC PLUS-18	Multi-pattern gooseneck microphone with mic switch and universal base	10	\$ 220.00	\$ 2,200.00
		18-inch gooseneck			
2.7	Bosch PC-18/FL	Multi-pattern gooseneck microphone with flange mount, 18-inch gooseneck	1	\$ 195.00	\$ 195.00
2.8	D&M Professional PMD580	Solid-State Compact Flash recorder w/ Internal Web GUI	1	\$ 1,135.00	\$ 1,135.00
2.9	Crown CT475	4 Channel Power Amplifier	1	\$ 642.00	\$ 642.00
2.10	Atlas Soundolier FAP62T	STRAT 2, 6 IN 2-WAY SPKR SYSTEM	4	\$ 72.00	\$ 288.00

**Audio Components Section Total: \$ 8,759.00**

### **Section 3: Playback and Web Distribution Equipment**



Item	P/N	Description	Qty.	Unit Price	Ext. Price
3.1		<b>Leightronix UltraNEXUS VOD</b> UltraNEXUS Video Server, 2 x 1 Terabyte RAID Storage 1 Year TOTAL INFO Data Subscription Service, and 1 Year PEG Central Streaming Video-On-Demand Service	1	\$ 14,195.00	\$ 14,195.00
3.2		<b>Leightronix LGX-WPT</b> Customized Online Product Training via WebEx (per Hour)	5	\$ 126.00	\$ 630.00
3.3		<b>Middle Atlantic ERK-2125</b> 21SP/25D STANDALONE RACK	1	\$ 378.00	\$ 378.00
3.4		<b>Middle Atlantic CBS-ERK-25R</b> FLR-FNDLY CBS,25 IN DP,ERK	1	\$ 136.00	\$ 136.00
3.5		<b>Middle Atlantic PDT-1015C-M-NS</b> 10 OUT,15A,METER,CORDED	1	\$ 126.00	\$ 126.00

**layback and Web Distribution Equipment Section Total:** \$ 15,465.00

#### **Section 4: System Integration**

4.1		<b>Roscor SYSTEMINTEGRATION</b> Roscor System Integration and Project Management Overview Includes the Following: Project Management and Coordination Internal Project Kick Off Meeting with Staff Engineer and Project Manager Engineering Review of Project Scope Site Survey and Meetings with Client Engineering Design of Audio, Video, Control and Rack Layout in CAD In-Shop Rack Preparation and Wiring On-site Non-Union Wire Pull and Termination On-Site Non-Union Equipment Mounting and Positioning Custom Equipment Programming Per Scope Engineering Checkout Client System Orientation and Training	1	\$ 9,887.00	\$ 9,887.00
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**System Integration Section Total:** \$ 9,887.00

All prices quoted in U.S. Dollars

All Sales are subject to our Standard Terms & Conditions.

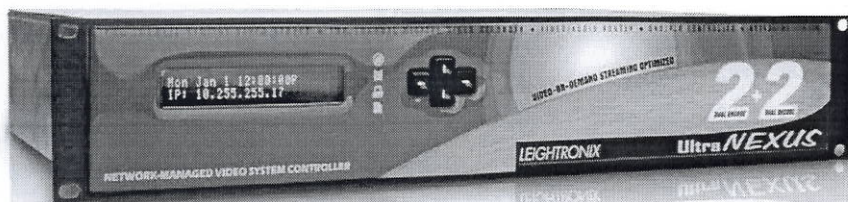
**Total:** \$ 41,456.00

**Freight:** \$ 300.00

**Quote Total:** \$ 41,756.00

# Ultra *NEXUS*

**Video Server/System Controller**



Affordable ♦ Versatile ♦ Reliable

Cable and Broadcast Solutions *Controller*

**LEIGHTRONIX, INC.**

Video Servers ♦ Television Automation



# Introduction



## The Ultimate Video Server

Pair the UltraNEXUS with LEIGHTRONIX Web media hosting and streaming video-on-demand services and you have the perfect combination for impressing your television audience while also attracting Internet users.



**School Stream.TV**

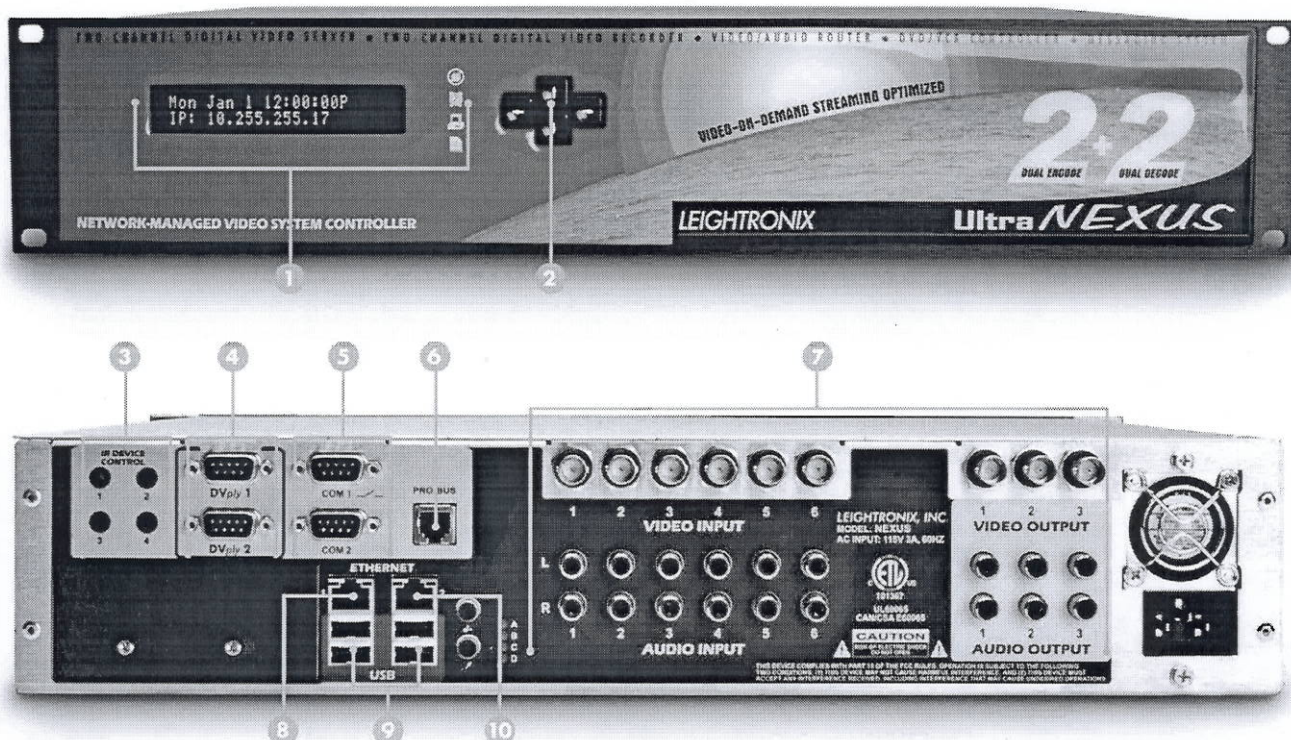


With the UltraNEXUS™ at your command, you can schedule 100% unattended digital media playback on your broadcast, local cable, or in-house television channels. Both easy and powerful, the UltraNEXUS allows you to quickly master the art of television automation for even the most demanding applications.

When you need to put your programming on the Web, the often tedious first step involves converting your broadcast resolution programming to Internet-ready digital media. The UltraNEXUS streamlines this process by automatically creating a secondary digital media file optimized for streaming video-on-demand (VOD), every time you record!

Broadcast files are stored on the UltraNEXUS local media storage, while VOD files are automatically transferred to PEG Central™, the low-cost, Web media hosting and streaming video-on-demand service from LEIGHTRONIX.

The ULTIMATE VIDEO SERVER has arrived, giving video professionals the perfect tool to bridge the gap between automated broadcast television and streaming video-on-demand.



- 1 Vacuum Fluorescent Display and Status LEDs - Front panel offers status on: time/date, MPEG channels (play/record), switcher, schedule activity, hardware/firmware versions, serial number, IP address, valid video, schedule activity, and logged events.
- 2 Keypad - Password-protected access to the main display menu. Quickly configure the UltraNEXUS for network connection (IP address, subnet, gateway) and enable/disable key system functions.
- 3 Integrated IR Device Control - Four infrared (IR) device control ports are standard on the UltraNEXUS and may be configured to operate with a variety of DVD and videotape equipment from leading manufacturers.
- 4 DVply - Advanced DVD player control for two commercial grade DVD players allows random disc access with title:chapter selection.
- 5 Communication



# Overview

## Key Features

### Multi-Channel Digital Video Server

- Two MPEG Playback (Decode) Channels
- One Broadcast MPEG Record (Encode) Channel
- One VOD Optimized Record (Encode) Channel
- Dual Digital Record Channels Simultaneously Create Media Files of Identical Content—One for Broadcast and One for Web
- Automatic Transfer of VOD Files to PEG Central
- Simultaneous Operation of all Playback and Recording Channels
- Extended, Continuous Recording up to 24 Hours
- Total Import™ of DVD Programs to Video Server

### Scalable Local Media Storage

- External Hard Drive Storage via 4 USB 2.0 Ports for up to 4 Terabytes (TB) of Storage
- TOTAL SHARE™ Option Expands Local Media Storage Capacity to 16 TB
- Digital File Transfer via Gigabit Ethernet
- Automated Total Backup™ of Digital Media to Local or Network Drive

### Integrated Digital Video Messaging

- Two Channels of Digital Video Messaging
- Two Digital Media Overlay Channels (Graphic and Text)
- Web Interface with Remote Video Slide Management
- Online Video Slide Creation
- Emergency Messaging—Online Video Slide Creation and Activation
- Dynamic Onscreen Program Guide

### DVD and VCR Control for up to 22 Devices

- Four Infrared Control Ports—IR Transmitters Included
- Two DVply™ Serial Control Ports—DVD Control with Title: Chapter Access
- Optional PRO-BUS™ Control Interfaces (DVD/VCR/GPI)

### Video/Audio Signal Routing

- Internal 8x4 Video and Stereo Audio Routing Switcher
- Control for Select External Routing Matrices

### WinLGX Software Included

- Drag and Drop Scheduling with Error Checking and Conflict Reporting
- Comprehensive Media Library
- Remote Management via TCP/IP Network



## Panasonic ideas for life

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> [HD Multi-purpose cameras](#) > AW-HE50H

### AW-HE50H




Multi-format HD Integrated pan-tilt-zoom camera with HDMI Output



**U.S. List Price \$4,500.00**

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This multi-format camera with HDMI and component outputs features a sleek, compact design that combines outstanding image quality, smooth pan/tilt/zoom operation, and easy integration for superior HD and SD production and video communications. The HE50H utilizes full HD MOS sensors (effective resolution 1920 x1080), Hybrid 2D/3D Noise Reduction processing, along with Panasonic's exclusive Dynamic Range Stretch (DRS) technology to produce smooth, sharp HD video with up to 850 lines of horizontal resolution in a wide range of lighting conditions and environments. Equipped with both IP and RS-422 serial control interfaces built-in, the HE50H is ideal for demanding applications such as HD videoconferencing, distance learning, and traffic or weathercam use.

Panasonic's exclusive DRS function enables the HS50S to perform multi-zone digital image processing over a wide dynamic range for exceptional results in difficult, high contrast shooting conditions. Highlight over-saturation and blocking in dark areas are reduced for more detailed imaging through the application of real-time gamma and knee correction. The camera's innovative Hybrid Noise Reduction function reduces video grain and blur without appreciable image latency or loss of resolution by intelligently combining 3D and 2D noise reduction algorithms. A new "Flesh Tone" function also enables consistently accurate yet pleasing reproduction of live subjects.

The camera incorporates a smooth and highly-accurate pan-tilt head that offers precise, fast, fluid movement in all directions, enabling the capture of both slow and fast-moving objects without the excessive vibration and "bounce" previously associated with small pan-tilt cameras. The HE50H also provides very quiet operation, essential for use in videoconferencing rooms, insert studios, and houses of worship.

- Over 850 lines of horizontal resolution and 54db S/N for production quality HD video
- Supports 1080/59.94i, 1080/50i, 720/59.94p, 720/50p, 480/59.94i and 576/50i

- Full HD CMOS imager and new DSP produce realistic video in varied lighting conditions
- 18X HD optical zoom lens plus a 10X digital zoom for use in rooms of all sizes
- Three-step gamma correction and seven-step chroma level adjustment for exceptional creative control
- Up to 100 pre-set memories can be stored in the camera unit, for rapid and precise remote recall
- An electronic shutter (1/100 to 1/10,000 a sec) with synchro scan
- Built-in tally light for remote studio use
- 3.5-lb design, ceiling mounting bracket, and simple turn-lock mounting mechanism for quick, easy installation
- Supports both IP and AW-series RS-422 serial control, as well as 3rd party serial control systems

Features, specifications & pricing subject to change without notice.  
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\*\*\* See Online Privacy Policy \*\*\*

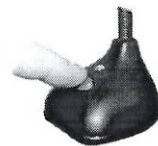


**PolarChoice PC Plus-12**  
**PolarChoice PC Plus-18**  
Miniature Multi-Pattern  
Podium Microphone



### Key Features:

- Dual Capsule Design with four polar patterns: Omnidirectional, Cardioid, Supercardioid, and Hypercardioid.
- Configurable push-button switch with status LED.
- Controls are on the bottom, hidden from view.
- XLR mounted or flush mounted.
- Switchable high pass filter.
- Consistent on-axis response.
- Available in 12 or 18 inch versions.
- Non-reflecting black finish.



Push-Button on top,  
where it belongs!



XLR Mount



Flush Mount

### General Description:

The PolarChoice™ PC-Plus is the first miniature gooseneck microphone to combine the features and functionality of a desktop mic, with the small unobtrusive size of an XLR mounted gooseneck microphone. The unique profile of the PC-Plus housing places the push button switch and status LED in a more natural position and also creates a lower profile housing. You can even go one step further: The lower half of the PC-Plus (with XLR connector) can be removed and the PC-Plus can be flush mounted. (We supply all the necessary mounting hardware.) The push-button can be configured for either toggle (push on / off), or as push-to-mute (cough switch). You can also configure the microphones' state when power is first applied in toggle mode. So, for example, if you have an installation with multiple PC Plus microphones, you can configure them so that only one mic is live, when the system is first turned on.

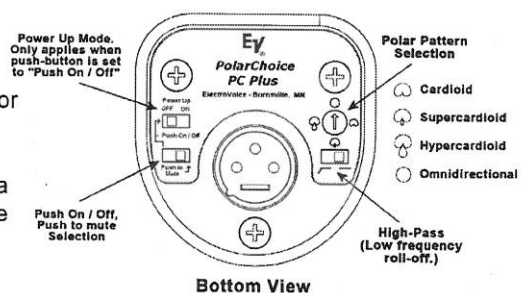
The PC-Plus is also an EV PolarChoice™ multi-pattern microphone. The multi-pattern versatility of the PolarChoice™ microphone makes it true "problem solver". With 3 directional and one non-directional polar pattern available, the PolarChoice™ microphone is ideal for virtually any installation.

The PC-Plus also includes a switchable high pass filter that greatly reduces any vibration induced noise pick-up. All configuration controls are only accessible from the "bottom" of the microphone, reducing the chances of inadvertent changes.

Altering the polar pattern does not change the on-axis sonic character of the microphone; therefore changes in equalizer settings are unnecessary. The PolarChoice™ PC Plus is acoustically designed for high-quality sound reinforcement and broadcast applications. The frequency response is tailored for wide-range sound reproduction with very natural sound pick-up for either distant or close-up use.

The small, dual diameter gooseneck has two supple joints and a rigid center tube. The rigid tube prevents unsightly twisting of the gooseneck but permits the user to exactly position the microphone. The PolarChoice™ PC Plus is designed to be phantom-powered with a wide voltage range of 12-52V dc (DIN Standard 45 596).

### PC Plus Controls:



# PolarChoice PC Plus-12/ PolarChoice PC Plus-18 Microphone

## Applications:

The PolarChoice™ PC Plus can be used on lecterns, podiums, desk and table-tops, or other applications which require a quick plug-in gooseneck microphone. For permanent installations, the PC Plus can be also be easily flush mounted. To maximize gain-before-feedback the PolarChoice's™ three directional polar patterns allow the user to pick the directional polar pattern for optimum effect. For those applications where gain-before-feedback is not a problem, an omnidirectional pattern is included. Applications requiring speaking close to the microphone at podiums, lecterns, or pulpits normally require a windscreen (included) to control breath noise and P-popping or, in some cases, wind noise from circulating air.

## Technical Specifications:

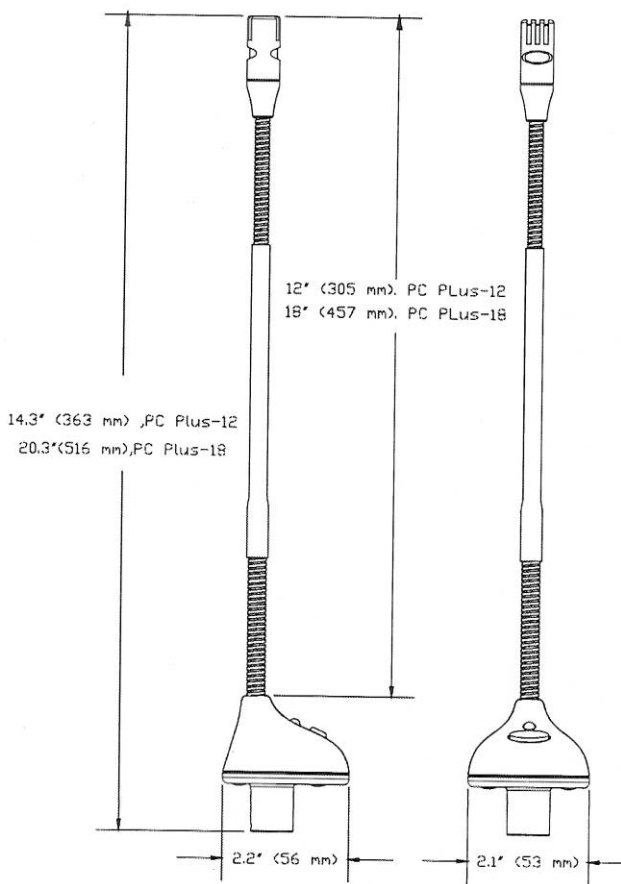
- Generation Element:**  
Dual condenser, back electret
- Frequency Response:**  
50 Hz to 20,000 Hz (see chart)
- Polar Patterns: (see chart)**  
Omnidirectional  
Cardioid  
Supercardioid  
Hypercardioid
- Switches and Controls:**  
Top mounted momentary push-button  
Push on/off, or push-to-mute selector  
Power up on/off selector  
High-pass enable  
4-position polar pattern selector
- Sensitivity, Open Circuit Voltage, 1 kHz:**  
5.6mV/Pascal
- Clipping Level (1% THD):**  
>135 dB SPL
- Equivalent Noise:**  
<26 dB SPL "A" weighted  
(0 dB=20 micropascals)  
Dynamic Range: >109 dB
- Output Impedance, 1 kHz:**  
200 ohms
- Power Requirements:**  
Phantom, 12 – 52 VDC
- Current Consumption:**  
< 8 mA with P12 supply
- Polarity:**  
Pin 2 positive, referenced to pin 3, with positive pressure on the diaphragm
- Dimensions:**
- Gooseneck Length:**  
PC Plus-12: 305 mm (12 in.)  
PC Plus-18: 457 mm (18 in.)
- Maximum Head Diameter:**  
14.6 mm (0.58 in.)
- Gooseneck Diameter:**  
Lower section, 7.9 mm (0.31 in.)  
Upper section, 6.4 mm (0.25 in.)
- Accessories Furnished:**  
Windscreen  
Two-piece shock mount  
Flush mount parts kit
- Optional Accessories:**  
FMK flange-mount kit  
CPSM shock-mount kit
- Color:**  
Nonreflecting black
- Environmental Conditions,**  
Relative Humidity 0-50%:  
-29° to 74°C (-20° to 165°F)  
Relative Humidity 0 to 95%:  
-29° to 57°C (-20° to 135°F)
- Net Weight:**  
PC Plus-12: 201 grams (7.1 oz)  
PC Plus-18: 210 grams (7.4 oz)

## EV Multi-Port Windscreen:

All PolarChoice microphones come with the exclusive EV Multi-Port Windscreen. This unique one-piece ported design offers greatly improved resistance to "P"-popping noise by creating a two-stage filter that has an air space between the stages. This makes the multi-port windscreen as effective as much larger traditional designs.

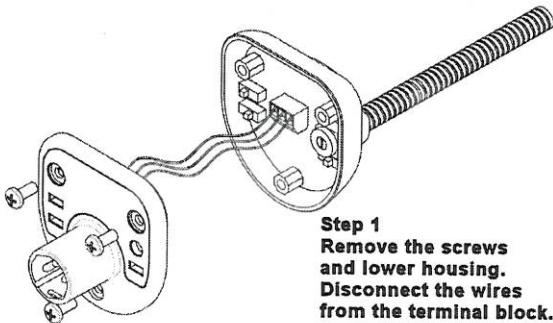


## Dimension Drawings:

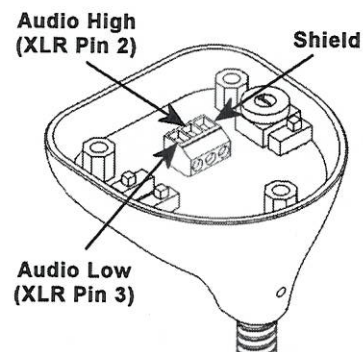
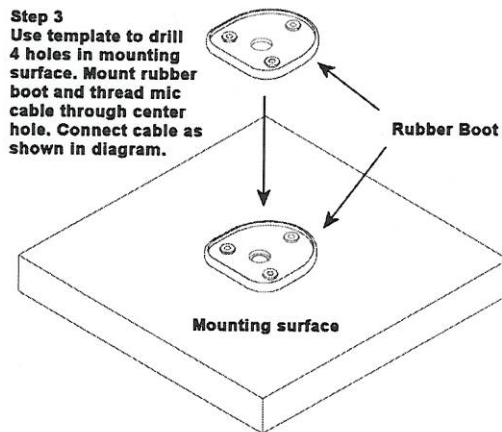
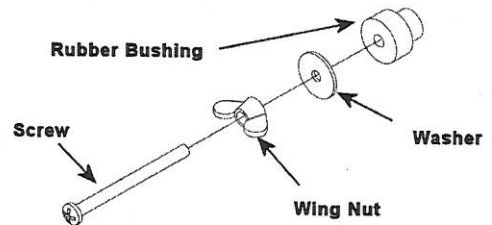




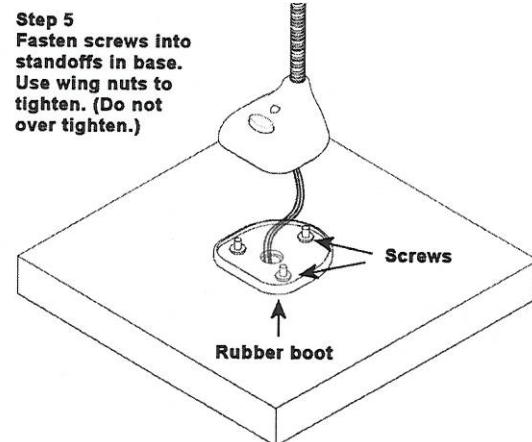
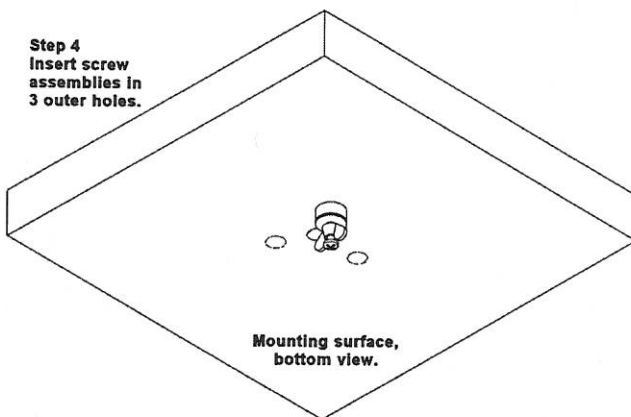
## Surface Mounting the PC Plus Microphone:



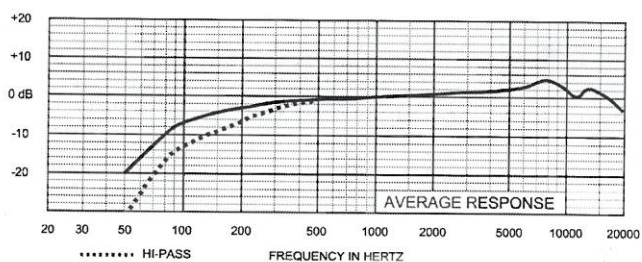
**Step 2**  
Assemble screw, wing nut, washer, and rubber bushing as shown. (Included with PC Plus.)



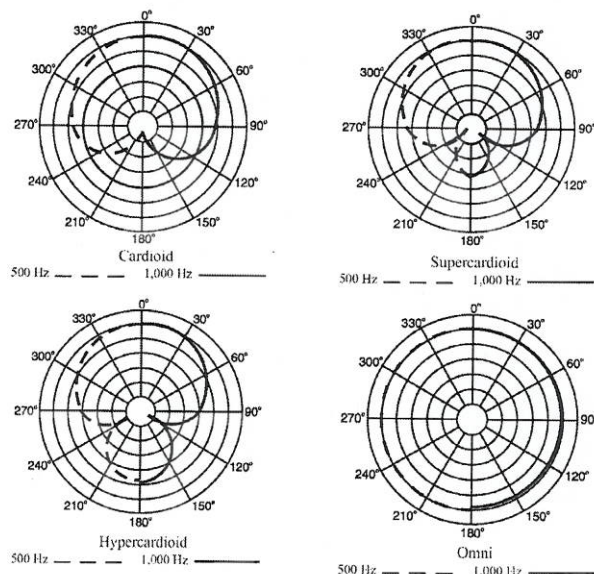
**Wiring Diagram**



## Frequency Response:



## Polars:



## Architectural & Engineering Specs:

### PolarChoice™ PC Plus-12, PC Plus-18

The microphone shall be a back-electret condenser type with a frequency response of 50 Hz to 20 kHz. The microphone shall have a nominal, balanced output impedance of 200 ohms. The microphone shall have four selectable polar patterns: omnidirectional, cardioid, supercardioid, and hypercardioid. The microphone shall have an output level of 5.6 mV/Pascal, and outputs shall not be appreciably affected by the following temperature and humidity extremes: -29° to 74° C (-20° to 165°F) when the relative humidity is 0-50%; -29° to 57° C (-20° to 135°F) when the relative humidity is 0-95%. Dimensions shall be 363 mm (14.3 in.) long (PC Plus-12), and 516 mm (20.3 in.) long, (PC Plus-18) with a maximum head diameter of 14.6 mm (0.58 in.). The PC Plus-12 microphone shall include a 305 mm (12 in.) gooseneck. The PC Plus-18 microphone shall include a 457 mm (18 in.) gooseneck. The gooseneck will be attached to a miniature base that has a top mounted push-button, and a status LED that lights when audio is active. The push-button will be configurable for push on/off, or push-to-mute operation. Furthermore, when the push-button is set for push on/off operation, the status of the microphone when power is initially applied, will be configurable. The miniature base will have an integral 3-pin XLR connector. The lower section housing of the miniature base will be removable to facilitate flush mounting of the microphone on a flat surface and appropriate hardware will be supplied for this purpose. The microphone will have a switchable high pass filter to roll off low frequencies. All controls except for the push button will be only accessible from the bottom of the microphone base. The microphone shall be of metal construction. The microphone will include and external windscreen. The microphone shall have a nonreflecting black finish. The Electro-Voice PolarChoice™ PC Plus-12 or PC Plus-18 is specified.

### Warranty (Limited)

Electro-Voice products are guaranteed against malfunction due to defects in materials or workmanship for a specified period, as noted in the individual product-line statement(s) below, or in the individual product data sheet or owner's manual, beginning with the date of original purchase. If such malfunction occurs during the specified period, the product will be repaired or replaced (at our option) without charge. The product will be returned to the customer prepaid. Exclusions and Limitations: The Limited Warranty does not apply to: (a) exterior finish or appearance; (b) certain specific items described in the individual product-line statement(s) below, or in the individual product data sheet or owner's manual; (c) malfunction resulting from use or operation of the product other than as specified in the product data sheet or owner's manual; (d) malfunction resulting from misuse or abuse of the product; or (e) malfunction occurring at any time after repairs have been made to the product by anyone other than Electro-Voice Service or any of its authorized service representatives.

**Electro-Voice Wired Microphones** are guaranteed against malfunction from any cause for three (3) years from the date of original purchase. Any and all active electronics incorporated in these microphones are guaranteed against malfunction due to defects in materials or workmanship for a period of three (3) years from the date of original purchase. The Limited Warranty does not extend to cables, cable connectors, or switches.

### Obtaining Warranty Service:

To obtain warranty service, a customer must deliver the product, prepaid, to Electro-Voice Service or any of its authorized service representatives together with proof of purchase of the product in the form of a bill of sale or receipted invoice. For warranty repair or service information, contact the Service Repair department at: 800/392-3497.

### Incidental and Consequential Damages Excluded:

Product repair or replacement and return to the customer are the only remedies provided to the customer. Electro Voice shall not be liable for any incidental or consequential damages including, without limitation, injury to persons or property or loss of use. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

**Other Rights:** This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

**For Technical Assistance,** contact Technical Support at 800/234-6831 or 616/695-6831, M-F, 8:00 a.m. to 5:00 p.m. Eastern Standard time. Specifications subject to change without notice.



12000 Portland Avenue South, Burnsville, MN 55337  
Phone: 952/884-4051, Fax: 952/884-0043

[www.electrovoice.com](http://www.electrovoice.com)

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Part Number 38110-216 Rev. A

U.S.A. and Canada only. For customer orders, contact Customer Service at:  
800/392-3497 Fax: 800/955-6831

Europe, Africa, and Middle East only. For customer orders, contact Customer Service at:  
+ 49 9421-706 0 Fax: + 49 9421-706 265

Other International locations. For customer orders, contact Customer Service at:  
+ 1 952 884-4051 Fax: + 1 952 736-4212

For warranty repair or service information, contact the Service Repair department at:  
800/392-3497

For technical assistance, contact Technical Support at: 866/78AUDIO

Specifications subject to change without notice.



### AUDIO

Bosch Polar Choice PC Plus-18

Microphone

MSRP

GSA Service \$314.

Roscoe \$220

---

Recorder Marantz PMD 580

MSRP \$1,499

Pro Acoustics \$1,249

Roscoe \$1,135

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Audia Flex NC 240

BiAmp 911.0234.900 \$2,317.00

### VIDEO

Camera Comparable

Panasonic

MSP \$4,500

CDW-G \$4,200

Roscoe \$4,069

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Monitor

MSP (NA)

CDW-G \$779

Roscoe \$777

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## D211 needs more information before broadcasting vote



By Kate Thayer TribLocal reporter Monday at 6:00 a.m.



Palatine resident Jen Zold videotapes District 211's conversation about the possibility of broadcasting its meetings on its website or on local access channels. (Kate Thayer/Tribune)

District 211 continues to examine ways to broadcast its board meetings online and on local cable channels, but in the most cost-effective way.

Last month, board member Bill Robertson asked administrators to research options for recording school board meetings for live streaming on the district website, as well as broadcasting them on cable access channels.

Last week, Associate Superintendent Dan Cates, told board members there would be an up-front cost of between \$50,000 to more than \$100,000, according to several estimates. After that, the annual maintenance fee would be about \$1,000.

Hearing the initial cost, Robertson asked officials to consider an offer from Palatine Village Manager Reid Ottesen, who offered to help the district record its meetings.



Superintendent Nancy Robb said she'll look into that possibility, as well as whether audio-visual students at nearby Harper College could help – a suggestion from board member Anna Klimkowicz.

Board members will vote on the issue once they receive more information.

"I think it's really important," she said of broadcasting meetings. "When we're talking about transparency, communication, and openness, we should be able to do this if the cost is reasonable."

Robertson agreed, but stressed the district's efforts shouldn't cost upwards of \$100,000.

Several residents who attended Thursday's meeting agreed.

In fact, Jen Zold, of Palatine, used her own camcorder to record Thursday's meeting.

"It's as simple as this," she said, pointing to her camera. "Our children do this. I could put this on YouTube tomorrow."

Zold, whose son is a freshman at Fremd High School in Palatine, said she's in favor of broadcasting meetings to inform the District 211 community. Attending a meeting last week allowed Zold to learn about an engineering program she wouldn't have otherwise known about, she said.

In a study of 46 other school districts, officials found just eight televise their meetings.

"We can move forward and set an example," Robertson said. "I've been approached by people who said we really want to see transparency. We want to know things that are taking place in the district. At the same time, we want to be conscious of taxpayer dollars."

John Parker, of Schaumburg, said he encourages the board to broadcast their meetings, but was appalled by the cost estimates, "given the current economic conditions."

As a member of Northwest Taxpayers United, Parker said he wants the district to control its spending.

Recently, Park Ridge-Niles School District 64 began taping its meetings for use on its website after resident requests. Other area districts, including Barrington District 220, also engage in the practice.

However, several districts have declined to do so because of costs or other reasons. In Schaumburg officials with Township-based District 54, which feeds into District 211, decided 12 years ago against taping meetings because not all cable access channels in its coverage area were willing to show them.